

IN THE CLAIMS:

Please cancel claims amend claims 13 and 16 and add new claim 21 as follows:

1-12. (Canceled)

13. (Currently Amended) An optical pickup head which makes a fine movement by a driver, and focuses an incident laser beam to a recording medium for recording/reproducing a data, the optical pickup head comprising:

a single micro mirror having at least one approximately 45° mirror surface for reflecting the incident laser beam perpendicular to an incident direction;

a focusing lens under the micro mirror for primary focusing of the laser beam reflected at the micro mirror;

an SIL (Solid Immersion Lens) under the focusing lens for secondary focusing of the laser beam focused by the focusing lens;

a supporting frame for integrating the micro mirror, the focusing lens and the SIL (Solid Immersion Lens) such that ~~movement of the micro mirror, focusing lens and SIL may be controlled~~ are held stationary with respect to each other and movement of the supporting frame is controllable by a single driver; and

an air-bearing surface formed under the supporting frame for making the supporting frame buoyant.

14. (Original) An optical pickup head as claimed in claim 13, wherein the 45° mirror surface of the micro mirror has a highly reflective metal coating applied thereto.

15. (Original) An optical pickup head as claimed in claim 13, wherein the micro mirror is formed of a silicon substrate.

16. (Currently Amended) An optical pickup head as claimed in claim 15, wherein the silicon substrate is a 9.74° off-axis ~~(100)~~ silicon wafer.

17. (Canceled)

18. (Original) An optical pickup head as claimed in claim 13, wherein the 45° mirror surface of the micro-mirror, a focus plane of the focusing lens, and a focus plane of the SIL are aligned in parallel.

19. (Previously amended) An optical pickup head as claimed in claim 13, wherein the supporting frame has at least one opening comprising a side surface sloped at a fixed angle such that an upper width thereof is greater than a lower width thereof.

20. (Previously amended) An optical pickup head as claimed in claim 19, wherein the SIL is fitted in the at least one opening of the supporting frame.

21. (New) An optical pickup head as claimed in claim 16, wherein the size of the micro mirror is determined by a pattern size of a front edge mask thin film and a thickness of the off-axis silicon wafer during a photolithography semiconductor fabrication process.